



## Practice

### 1.1 Tables and Graphs of Linear Equations

State whether each equation is linear.

1.  $y = 2x + 1$  \_\_\_\_\_ 2.  $y = \frac{3}{4}x$  \_\_\_\_\_ 3.  $y = 3.5x - 7x^2$  \_\_\_\_\_

4.  $y = -7 + \frac{2}{7}x$  \_\_\_\_\_ 5.  $y = 6.7 - 6.7x^2$  \_\_\_\_\_ 6.  $y = 3x + 7x$  \_\_\_\_\_

7.  $y = 9x - \frac{3}{4}$  \_\_\_\_\_ 8.  $y = \frac{2}{3}x + \frac{2}{5}x^2$  \_\_\_\_\_ 9.  $y = \frac{3}{8}x - 6$  \_\_\_\_\_

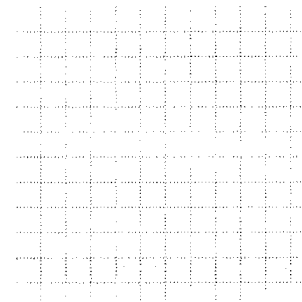
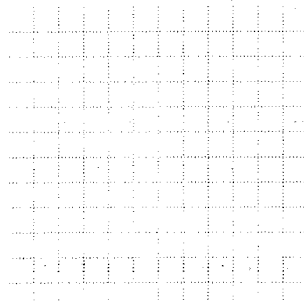
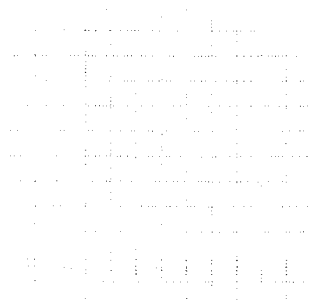
10.  $y = 2x + x^2$  \_\_\_\_\_ 11.  $y = -\frac{4}{5}x^2$  \_\_\_\_\_ 12.  $y = 7x + 2$  \_\_\_\_\_

Graph each linear equation.

13.  $y = \frac{2}{3}x + 4$

14.  $y = \frac{4}{5}x$

15.  $y = 3x + 2$



Determine whether each table represents a linear relationship between  $x$  and  $y$ . If so, write the next ordered pair that would appear in the table.

16.

$x$	$y$
2	11
3	13
4	15
5	17

17.

$x$	$y$
0	4
1	8
2	12
3	16

18.

$x$	$y$
-1	5
-2	11
-3	21
-4	35

19.

$x$	$y$
0	-3
-1	-8
-2	-13
-3	-18

20.

$x$	$y$
0	3
2	-5
4	-13
6	-21

21.

$x$	$y$
1	-6
2	-8
3	-10
4	-12